

42649 to 42673—Continued.

and early autumn, the habit of decaying at the leaf margins spoils it later. This character is not found, so far as I know, in any other hardy species. (Adapted from W. J. Bean, *Trees and Shrubs Hardy in the British Isles*, vol. 1, p. 220.)

42657. BAMBOS QUADRANGULARIS Fenzl. Poaceæ.

Bamboo.

A bamboo which grows to a height of 30 feet in a wild state, but is usually 6 to 12 feet high in Europe. Stems round when young, but distinctly four sided, with rounded corners, when half an inch or more thick. It is best distinguished in the younger stages by curious little spicate protuberances at the joints. Leaves rich green, 4 to 8 inches long, one-half to 1 inch wide. It is, unfortunately, not very hardy. (Adapted from W. J. Bean, *Trees and Shrubs Hardy in the British Isles*, vol. 1, p. 231.)

"The sheath is very thin and delicate and more open than in most bamboos, gaping from the base and leaving the greater part of the internode uncovered. The wood of this species is too weak to make it of any great value, and its sensitiveness to frost is too great to enable one to class it among the hardy sorts. It is, however, a decorative plant and worthy of repeated trials in the frostless regions of America. It is said that roots will form easily from the lower nodes of the square bamboo if the portion bearing these nodes is buried in the soil. This would facilitate propagation if the statement proves correct." (D. G. Fairchild, *Japanese Bamboos*, Bur. Plant Indus. Bul. 43, p. 34.)

42658. BAMBOS NANA Roxb. Poaceæ.

Bamboo.

A dwarf bamboo with stems 1 to 2½ feet high, most of them about as thick as a lady's hatpin, zigzagged. Leaves arranged in two opposite rows; three-fourths to 2½ inches long, one-sixth to one-third of an inch wide, rounded at the base, bright green above, slightly glaucous beneath. Its dwarf, erect stems and tiny, distichously arranged leaves easily distinguish it from all other hardy bamboos. (Adapted from W. J. Bean, *Trees and Shrubs Hardy in the British Isles*, vol. 1, p. 231.)

42659. PHYLLOSTACHYS BAMBUSOIDES CASTILLONIS Marliac. Poaceæ.

Bamboo.

This has the most beautifully colored stems of all hardy bamboos. The curious alternation of green and yellow, together with the often variegated leaves, make it very distinct. According to Dr. Stapf, of Kew, there is nothing in its floral characters to distinguish it from *Phyllostachys nigra*. In vegetative character, however, it is very near *P. bambusoides*. (Adapted from W. J. Bean, *Trees and Shrubs Hardy in the British Isles*, vol. 2, p. 150, as *P. castillonis*.)

"The contrast between the golden yellow of the stems and the green stripes on the young shoots is one of the prettiest effects imaginable. The species grows occasionally over 30 feet high in Japan." (D. G. Fairchild, *Japanese Bamboos*, Bur. Plant Indus. Bul. 43, p. 29.)

42660. PHYLLOSTACHYS PUBERULA (Miquel) Munro. Poaceæ. Bamboo.

A very graceful and luxuriant bamboo, reaching in favorable situations 14 feet in height. It is laden, when in good health and well established, with heavy plumose masses of foliage, which make the outer stems arch outward. Leaves are uniform in size and from 2 to 3½ inches long and